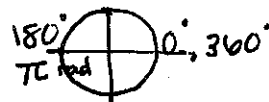


### 3/11 Converting Between Radians + Degrees

Conversion factor

$$\boxed{\pi \text{ rad} = 180^\circ}$$



Ex 1: Convert  $-270^\circ$  to radians

$$\frac{-270^\circ}{1} \times \frac{\pi \text{ rad}}{180^\circ} = -\frac{270 \pi}{180} = -\frac{3\pi}{2} \text{ rad}$$

Ex 2: Convert  $\frac{4\pi}{5}$  radians to degrees

$$\frac{4\pi \text{ rad}}{5} \times \frac{180^\circ}{\pi \text{ rad}} = \frac{4 \cdot 180}{5} = \frac{720}{5} = 144^\circ$$